

Cranio Maxillofacial Fixation (CMF) Devices - Market Insights, Competitive Landscape and Market Forecast-2026

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Abstracts

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Cranio Maxillofacial Fixation (CMF) Devices Market By Product Type (CMF Plate And Screw Fixation Devices, Cranial Flap Fixation Devices, CMF Distraction Devices, Temporomandibular Joint Replacement Devices, And Bone Graft Substitute), By Material (Metals & Alloys, Bioabsorbable, Ceramics, And Others), By Application (Neurosurgery, Orthognathic Surgery, Plastic Surgery, And Others), By End-User (Hospitals, Ambulatory Surgical Centers, And Others), by geography is anticipated to expand at a static CAGR forecast till 2026 owing to rising incidence of traumatic brain injuries and facial fractures and rising preferences for minimally invasive craniomaxillofacial surgeries.

Global Cranio Maxillofacial Fixation (CMF) Devices Market was valued at USD 1.76 billion in 2020, growing at a CAGR of 5.05% during the forecast period from 2021 to 2026 to reach USD 2.36 billion by 2026. The rise in demand for Cranio Maxillofacial Fixation (CMF) Devices is predominantly attributed to the rising incidence of traumatic brain injuries, facial injuries and fractures because of rising road traffic collisions, rising preferences for minimally invasive techniques for reconstructive and trauma surgeries. In addition, increasing prevalence for congenital facial deformities, rising cases of oral cancer across the globe, and recent advancement in CMF implants are the other factors driving the market.

Cranio Maxillofacial Fixation (CMF) Devices Market Dynamics:

Craniomaxillofacial fixation surgery involves the correction and restoration of facial

deformities that may be congenital or acquired. The demand for craniomaxillofacial fixation surgeries is rising due to the increase in head and facial injuries caused owing to the road accidents, sport injuries, work-related accidents, among others. As per the 2021 statistics published by WHO, approximately 1.3 million people die each year as a result of a road traffic crash and between 20 and 50 million more people suffer non-fatal injuries, with many incurring a disability as a result of their injury.

Moreover, facial fractures caused as a result of falls occur worldwide which might increase the demand for craniomaxillofacial surgery and devices. For instance, according to a study: Epidemiology of facial fractures: incidence, prevalence and years lived with disability estimates from the Global Burden of Disease 2017 study by Lalloo R. et al., published in NCBI in the year 2020, there were 7,538,663 new cases of facial fractures and 1,819,732 prevalent cases. The study also reported 117,402 YLDs due to facial fractures globally, in 2017. Thus, rising cases of traumas leading to facial deformities is expected to propel the global craniomaxillofacial fixation devices market.

Furthermore, integration of advanced technology such as 3-D printing for developing customized and patient-specific implants along with their high preference among the target population is also projected to grow the global craniomaxillofacial fixation devices. For instance, recently in 2021, Lucid Implants became the first Indian company to produce Polyether ether ketone (PEEK) based customised implants keeping patient's unique facial anatomy in mind with advanced 3D printing technologies and virtual surgical planning.

Certain factors such as high cost of the surgery along with the devices and unfavourable reimbursement scenario may pose a minor hurdle for the growth of the Cranio Maxillofacial Fixation (CMF) Devices market.

Cranio Maxillofacial Fixation (CMF) Devices Segment Analysis:

Cranio Maxillofacial Fixation (CMF) Devices Market By Product Type (CMF Plate And Screw Fixation Devices, Cranial Flap Fixation Devices, CMF Distraction Devices, Temporomandibular Joint Replacement Devices, and Bone Graft Substitute), By Material (Metals & Alloys, Bioabsorbable, Ceramics, and Others), By Application (Neurosurgery, Orthognathic Surgery, Plastic Surgery, and Others), By End-User (Hospitals, Ambulatory Surgical Centers, and Others), and by Geography (North America, Europe, Asia-Pacific, and Rest of the World).

In Cranio Maxillofacial Fixation (CMF) Devices application segment, the neurosurgery application is expected to register a remarkable growth during the forecasted period. This is majorly due to the rising incidences of traumatic brain injuries and other brain associated problems such as infection in the brain, skull fracture, among others. According to a study: Global neurosurgery: the current capacity and deficit in the provision of essential neurosurgical care. Executive Summary of the Global Neurosurgery Initiative at the Program in Global Surgery and Social Change published in the Journal of Neurosurgery by Dewan M.C. et al., in the year 2019, every year, an estimated 22.6 million patients suffer from neurological disorders or injuries that warrant the expertise of a neurosurgeon, of whom 13.8 million require surgery. Traumatic brain injury, stroke-related conditions, tumors, hydrocephalus, and epilepsy constitute the majority of essential neurosurgical care worldwide.

Also, the ENT surgery segment is expected to grow at a lucrative growth in the forthcoming years due to the introduction of surgical navigation technology and rising burden of ENT problems across the globe.

Therefore, aforementioned factors are likely to propel the segmental growth of Cranio Maxillofacial Fixation (CMF) Devices market.

North America is expected to dominate the Overall Cranio Maxillofacial Fixation (CMF) Devices Market:

Among all the countries, North America is anticipated to dominate the overall Cranio Maxillofacial Fixation (CMF) Devices market during the forecast period. This domination is due to the presence of established healthcare facilities, rising government initiative and support for raising awareness regarding CMF surgeries and its advantages in the region.

Further, in the United States the rising prevalence of congenital deformity among the population is also expected to contribute to the cranio maxillo facial fixation devices market in the region. For instance, according to the CDC 2020 report, Cleft Lip/Cleft Palate which is a kind of facial deformity is increasing. According to the same data about 1 in every 1,600 babies is born with cleft lip with cleft palate in the United States and about 1 in every 2,800 babies is born with cleft lip without cleft palate. Thus, rising concern of such facial defects is likely to boost the cranio maxillo facial fixation (CMF devices) market in the region.

In addition, rising facial reconstructive and plastic surgery in the region is also projected

to augment the market for cranio maxillo facial fixation (CMF) fixation devices. According to the Aesthetic Plastic Surgery National Databank Statistics 2020, there were about 7,997 chin augmentation surgeries and 55,436 rhinoplasty were performed in the region.

Also, the presence of key market players in the region such as Stryker, Johnson & Johnson, and Medtronic, among others is also a driving factor the craniomaxillofacial fixation devices in the region.

The Asia-Pacific region has the future potential growth for the Global Cranio Maxillofacial Fixation (CMF) Devices. This is due to the rising road accidents. Increase in disposable income, rapid urbanization, and improving healthcare facilities are the factors that are likely to drive the market. As per the Road Accident Report for 2019 by the Ministry of Road Transport and Highway Transport Research Wing (Government of India), a total number of 449,002 accidents took place in the country during the calendar year 2019 leading to 151,113 deaths and 451,361 injuries. In addition, presence of local players actively manufacturing craniomaxillofacial implants in the region such as Advin Health Care, Auxein Medical., and others will also contribute to the growth of the cranio maxillo facial fixation (CMF) Devices market.

Cranio Maxillofacial Fixation (CMF) Devices Market Key Players:

Some of the key market players operating in the Cranio Maxillofacial Fixation (CMF) Devices market includes Medtronic, Johnson & Johnson, Inc., Zimmer Biomet, Stryker Corporation, B. Braun Melsungen AG, NuVasive®, Inc., Orthofix Medical Inc., XTANT MEDICAL, and others.

Recent Developmental Activities in the Cranio Maxillofacial Fixation (CMF) Devices Market:

In April 2021, TMJ Concepts joined Stryker through an acquisition. However, The TMJ Concepts business will continue to operate “as is” for the foreseeable future, which means no change to any current processes.

Key Takeaways from the Cranio Maxillofacial Fixation (CMF) Devices Market Report Study

Market size analysis for current market size (2020), and market forecast for 5 years (2021-2026)

The effect of the COVID-19 pandemic on this market is significant. To capture and analyze suitable indicators, our experts are closely watching the Cranio Maxillofacial Fixation (CMF) Devices market.

Top key product/services/technology developments, merger, acquisition, partnership, joint venture happened for last 3 years

Key companies dominating the Global Cranio Maxillofacial Fixation (CMF) Devices Market.

Various opportunities available for the other competitor in the Cranio Maxillofacial Fixation (CMF) Devices Market space.

What are the top-performing segments in 2020? How these segments will perform in 2026.

Which are the top-performing regions and countries in the current market scenario?

Which are the regions and countries where companies should have concentrated on opportunities for Cranio Maxillofacial Fixation (CMF) Devices market growth in the coming future?

Target Audience who can be benefited from Cranio Maxillofacial Fixation (CMF) Devices Market Report Study

Cranio Maxillofacial Fixation (CMF) Devices providers

Research organizations and consulting companies

Cranio Maxillofacial Fixation (CMF) Devices-related organization, association, forum, and other alliances

Government and corporate offices

Start-up companies, venture capitalists, and private equity firms

Distributors and Traders in Cranio Maxillofacial Fixation (CMF) Devices

Various End-users who want to know more about the Cranio Maxillofacial Fixation (CMF) Devices Market and the latest technological developments in the Cranio Maxillofacial Fixation (CMF) Devices market.

Frequently Asked Questions for Cranio Maxillofacial Fixation (CMF) Devices Market:

1. What are Cranio Maxillofacial Fixation (CMF) Devices?

Cranio Maxillofacial Fixation (CMF) Devices are used to rectify the facial deformity or skull fracture to restore proper function. The CMF devices include plate and screw system, distractors, bone grafts, and others.

2. What is the market for Global Cranio Maxillofacial Fixation (CMF) Devices?

Global Cranio Maxillofacial Fixation (CMF) Devices Market was valued at USD 1.76 billion in 2020, growing at a CAGR of 5.05% during the forecast period from 2021 to 2026 to reach USD 2.36 billion by 2026.

3. What are the drivers for Global Cranio Maxillofacial Fixation (CMF) Devices?

The major factors driving the demand for Cranio Maxillofacial Fixation (CMF) Devices are the growing incidence of traumatic brain injury, facial fracture due to various accidents, rising demand for minimally invasive surgery procedures, and introduction of technologically advanced products in the market.

4. What are the key players operating in Global Cranio Maxillofacial Fixation (CMF) Devices?

Some of the key market players operating in the Cranio Maxillofacial Fixation (CMF) Devices market includes Medtronic, Johnson & Johnson Services, Inc., Zimmer Biomet, Stryker, Advin Health Care, TMJ Concepts, LUCID Implants, and others.

5. What regions have the highest share in Cranio Maxillofacial Fixation (CMF) Devices Market?

North America is anticipated to dominate the overall Cranio Maxillofacial Fixation (CMF) Devices market during the forecast period. This domination is due to the presence of established healthcare facilities, rising government initiative and support for raising awareness regarding CMF surgeries and its advantages in the region.

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